

**C.I. HIGHLIGHTS
DECEMBER, 1993**

BRAND MODIFICATIONS

R.J. REYNOLDS

CAMEL KING SIZE (SP)

CAMEL LIGHTS KING SIZE (SP)

Reynolds has decreased the level of expanded tobacco (12 to 7%) in Camel King Size and Camel Lights King Size cigarettes. No changes were observed in smoke deliveries or cigarette construction.

R.J. REYNOLDS

SALEM MENTHOL KING SIZE & 100 (SP)

SALEM LIGHTS MENTHOL KING SIZE (SP)

SALEM ULTRA LIGHTS MENTHOL 100 (SP)

SALEM SLIM LIGHTS MENTHOL 100 (BOX)

Reynolds has decreased the level of expanded tobacco (12 to 7%) in Salem King Size & 100, Salem Lights King Size, and Salem Ultra Lights 100 cigarettes. The level of expanded tobacco in Salem Slim Lights 100 (Box) cigarettes was also decreased (15 to 12%). No changes were observed in smoke deliveries or cigarette construction.

BROWN & WILLIAMSON

GPC

Brown & Williamson has changed the blend of GPC cigarettes. In the nonmentholated packings, the level of reconstituted tobacco was decreased (21 to 15%), expanded stem was increased (4 to 9%) and expanded tobacco (7%) was added. The level of expanded tobacco in the mentholated packings was increased (14 to 21%). New package graphics were also observed for these products. The new packs feature a larger area of color. The upper one-third of the pack is white with "GPC" in bold black letters.

	<u>Tar</u> <u>mg/cigt.</u>	<u>Nicotine</u> <u>mg/cigt.</u>	<u>Menthol</u> <u>mg/cigt.</u>
KS Nonfilter (SP)	23	1.5	-
Full Flavor KS (SP)	15	0.9	-
Lights KS (Box)	11	0.7	-
Lights KS (SP)	11	0.7	-
Ultra Lights KS (SP)	6	0.5	-
Full Flavor 100 (SP)	15	0.9	-
Full Flavor Menthol 100 (SP)	13	0.9	0.4
Lights 100 (SP)	12	0.8	-
Lights Menthol 100 (SP)	9	0.7	0.4
Ultra Lights 100 (SP)	6	0.5	-

R. J. REYNOLDS

CAMEL KING SIZE (SP)

The level of expanded tobacco in Camel King Size was decreased (12 to 7%). No changes were observed in smoke deliveries or cigarette construction.

	<u>Current</u>	<u>Previous</u>
<u>Smoke</u>		
Butt Length, mm	28	28
Tar, mg/cigt.	18.0	18.0
Nicotine, mg/cigt.	1.36	1.32
Puffs/cigt.	9.7	9.7
<u>Cigarette</u>		
Total RTD, mm of H ₂ O	115	116
Length, mm	84.2	84.3
Circumference, mm	24.9	24.8
<u>Paper</u>		
Permeability, CORESTA Units	24	25
<u>Filter</u>		
Type	CA	CA
RTD, mm of H ₂ O	71	66
Length, mm	20.8	20.8
Tipping Paper Length, mm/Color	25/Cork	25/Cork
Ventilation, %	6	8
<u>Filler</u>		
Total Alkaloids, % (DWB)	1.72	1.85
Total Red. Sugars, % (DWB)	7.9	7.9
Reconstituted Tob., %	25	25
Expanded Stems, %	None	None
Expanded Tob., %	7	12
Wt. of Tob., g (12.5% OV)	0.766	0.774
Rod Length, mm	63.4	63.4
Rod Density, g/cc	0.245	0.248

R. J. REYNOLDS

CAMEL LIGHTS KING SIZE (SP)

The level of expanded tobacco in Camel Lights King Size was decreased (12 to 7%). No changes were observed in smoke deliveries or cigarette construction.

	<u>Current</u>	<u>Previous</u>
<u>Smoke</u>		
Butt Length, mm	34	34
Tar, mg/cigt.	11.7	11.4
Nicotine, mg/cigt.	0.92	0.84
Puffs/cigt.	8.3	8.4
<u>Cigarette</u>		
Total RTD, mm of H ₂ O	119	120
Length, mm	84.0	84.3
Circumference, mm	24.9	24.9
<u>Paper</u>		
Permeability, CORESTA Units	36	41
<u>Filter</u>		
Type	CA	CA
RTD, mm of H ₂ O	95	93
Length, mm	26.7	27.0
Tipping Paper Length, mm/Color	31/Cork	31/Cork
Ventilation, %	14	18
<u>Filler</u>		
Total Alkaloids, % (DWB)	1.79	1.83
Total Red. Sugars, % (DWB)	8.2	7.8
Reconstituted Tob., %	25	25
Expanded Stems, %	None	None
Expanded Tob., %	7	12
Wt. of Tob., g (12.5% OV)	0.667	0.666
Rod Length, mm	57.2	57.3
Rod Density, g/cc	0.237	0.236

R.J. REYNOLDS

SALEM MENTHOL KING SIZE (SP)

The level of expanded tobacco in Salem King Size was decreased (12 to 7%). No changes were observed in smoke deliveries or cigarette construction.

	<u>Current</u>	<u>Previous</u>
<u>Smoke</u>		
Butt Length, mm	28	28
Tar, mg/cigt.	17.3	17.8
Nicotine, mg/cigt.	1.24	1.34
Puffs/cigt.	7.9	8.1
<u>Cigarette</u>		
Total RTD, mm of H ₂ O	116	111
Length, mm	84.2	84.3
Circumference, mm	24.9	24.9
<u>Paper</u>		
Permeability, CORESTA Units	28	25
<u>Filter</u>		
Type	CA	CA
RTD, mm of H ₂ O	68	64
Length, mm	20.8	21.0
Tipping Paper Length, mm/Color	25/White	25/White
Ventilation, %	None	None
<u>Filler</u>		
Total Alkaloids, % (DWB)	1.89	2.08
Total Red. Sugars, % (DWB)	8.0	7.0
Reconstituted Tob., %	25	25
Expanded Stems, %	None	None
Expanded Tob., %	7	12
Wt. of Tob., g (12.5% OV)	0.699	0.711
Rod Length, mm	63.4	63.3
Rod Density, g/cc	0.224	0.228
<u>Menthol</u>		
Smoke, mg/cigt.	0.60	0.63

R.J. REYNOLDS

SALEM MENTHOL 100 (SP)

The level of expanded tobacco in Salem 100 was decreased (12 to 7%). No changes were observed in smoke deliveries or cigarette construction.

	<u>Current</u>	<u>Previous</u>
<u>Smoke</u>		
Butt Length, mm	35	35
Tar, mg/cigt.	16.7	17.9
Nicotine, mg/cigt.	1.36	1.34
Puffs/cigt.	9.9	10.1
<u>Cigarette</u>		
Total RTD, mm of H ₂ O	105	104
Length, mm	99.3	99.4
Circumference, mm	24.8	24.9
<u>Paper</u>		
Permeability, CORESTA Units	24	28
<u>Filter</u>		
Type	CA	CA
RTD, mm of H ₂ O	68	65
Length, mm	27.3	27.3
Tipping Paper Length, mm/Color	32/White	32/White
Ventilation, %	15	16
<u>Filler</u>		
Total Alkaloids, % (DWB)	1.94	1.95
Total Red. Sugars, % (DWB)	6.9	6.4
Reconstituted Tob., %	25	25
Expanded Stems, %	None	None
Expanded Tob., %	7	12
Wt. of Tob., g (12.5% OV)	0.810	0.812
Rod Length, mm	72.0	72.2
Rod Density, g/cc	0.230	0.227
<u>Menthol</u>		
Smoke, mg/cigt.	0.56	0.49

R. J. REYNOLDS

SALEM LIGHTS MENTHOL KING SIZE (SP)

The level of expanded tobacco in Salem Lights King Size was decreased (12 to 7%). No changes were observed in smoke deliveries or cigarette construction.

	<u>Current</u>	<u>Previous</u>
<u>Smoke</u>		
Butt Length, mm	34	34
Tar, mg/cigt.	10.6	11.1
Nicotine, mg/cigt.	0.83	0.81
Puffs/cigt.	8.0	8.2
<u>Cigarette</u>		
Total RTD, mm of H ₂ O	128	124
Length, mm	84.1	84.1
Circumference, mm	24.9	24.9
<u>Paper</u>		
Permeability, CORESTA Units	44	40
<u>Filter</u>		
Type	CA	CA
RTD, mm of H ₂ O	106	102
Length, mm	26.9	26.9
Tipping Paper Length, mm/Color	31/White	31/White
Ventilation, %	22	23
<u>Filler</u>		
Total Alkaloids, % (DWB)	1.88	1.87
Total Red. Sugars, % (DWB)	7.8	7.4
Reconstituted Tob., %	25	25
Expanded Stems, %	None	None
Expanded Tob., %	7	12
Wt. of Tob., g (12.5% OV)	0.679	0.688
Rod Length, mm	57.2	57.2
Rod Density, g/cc	0.240	0.244
<u>Menthol</u>		
Smoke, mg/cigt.	0.49	0.47

R. J. REYNOLDS

SALEM ULTRA LIGHTS MENTHOL 100 (SP)

The level of expanded tobacco in Salem Ultra Lights 100 was decreased (12 to 7%). No changes were observed in smoke deliveries or cigarette construction.

	<u>Current</u>	<u>Previous</u>
<u>Smoke</u>		
Butt Length, mm	38	38
Tar, mg/cigt.	5.6	5.2
Nicotine, mg/cigt.	0.45	0.48
Puffs/cigt.	10.3	10.8
<u>Cigarette</u>		
Total RTD, mm of H ₂ O	114	111
Length, mm	99.5	99.1
Circumference, mm	25.0	24.8
<u>Paper</u>		
Permeability, CORESTA Units	27	29
<u>Filter</u>		
Type	CA	CA
RTD, mm of H ₂ O	144	146
Length, mm	30.5	30.8
Tipping Paper Length, mm/Color	35/White	35/White
Ventilation, %	59	57
<u>Filler</u>		
Total Alkaloids, % (DWB)	1.78	1.88
Total Red. Sugars, % (DWB)	8.3	7.9
Reconstituted Tob., %	25	25
Expanded Stems, %	None	None
Expanded Tob., %	7	12
Wt. of Tob., g (12.5% OV)	0.790	0.771
Rod Length, mm	69.0	68.3
Rod Density, g/cc	0.230	0.230
<u>Menthol</u>		
Smoke, mg/cigt.	0.37	0.31

R.J. REYNOLDS

SALEM SLIM LIGHTS MENTHOL 100 (BOX)

The level of expanded tobacco in Salem Slim Lights 100 was decreased (15 to 12%). No changes were observed in smoke deliveries or cigarette construction.

	<u>Current</u>	<u>Previous</u>
<u>Smoke</u>		
Butt Length, mm	38	38
Tar, mg/cigt.	9.1	9.2
Nicotine, mg/cigt.	0.72	0.74
Puffs/cigt.	8.9	9.0
<u>Cigarette</u>		
Total RTD, mm of H ₂ O	111	114
Length, mm	97.9	97.9
Circumference, mm	22.6	22.7
<u>Paper</u>		
Permeability, CORESTA Units	43	40
<u>Filter</u>		
Type	CA	CA
RTD, mm of H ₂ O	102	100
Length, mm	30.5	30.8
Tipping Paper Length, mm/Color	35/White	35/White
Ventilation, %	41	40
<u>Filler</u>		
Total Alkaloids, % (DWB)	1.78	1.85
Total Red. Sugars, % (DWB)	8.7	8.8
Reconstituted Tob., %	25	25
Expanded Stems, %	None	None
Expanded Tob., %	12	15
Wt. of Tob., g (12.5% OV)	0.665	0.641
Rod Length, mm	67.4	67.0
Rod Density, g/cc	0.242	0.234
<u>Menthol</u>		
Smoke, mg/cigt.	0.59	0.56

BROWN & WILLIAMSON

GPC KING SIZE NONFILTER (SP)

The level of reconstituted tobacco in GPC King Size Nonfilter was decreased, expanded stem was increased and expanded tobacco was added to the blend. The change was made to a woodpulp cigarette paper, which is consistent with the other GPC packings.

	<u>Current</u>	<u>Previous</u>
<u>Smoke</u>		
Butt Length, mm	23	23
Tar, mg/cigt.	22.5	23.3
Nicotine, mg/cigt.	1.49	1.43
Puffs/cigt.	9.8	9.1
<u>Cigarette</u>		
Total RTD, mm of H ₂ O	64	61
Static Burn. Time, min.	7.6	7.1
Length, mm	84.2	84.3
Circumference, mm	24.9	25.0
<u>Paper</u>		
Component Type	Citrate	Citrate
Component Percent	0.6	0.9
Permeability, CORESTA Units	55	50
Fiber Type	Woodpulp	Flax
<u>Filler</u>		
Total Alkaloids, % (DWB)	1.81	1.76
Total Red. Sugars, % (DWB)	7.5	7.2
Reconstituted Tob., %	15	21
Expanded Stems, %	9	4
Expanded Tob., %	7	None
Wt. of Tob., g (12.5% OV)	1.012	1.008
Rod Length, mm	84.2	84.3
Rod Density, g/cc	0.243	0.240
Glycerin, %	2.2	2.2
PG, %	1.1	1.0

BROWN & WILLIAMSON

GPC Full Flavor King Size (SP)

The level of reconstituted tobacco in GPC Full Flavor King Size was decreased, expanded stem was increased and expanded tobacco was added to the blend. Lower tar and nicotine deliveries were also observed for this packing.

	<u>Current</u>	<u>Previous</u>
<u>Smoke</u>		
Butt Length, mm	29	29
Tar, mg/cigt.	15.3	17.4
Nicotine, mg/cigt.	0.93	1.15
Puffs/cigt.	7.5	7.5
<u>Cigarette</u>		
Total RTD, mm of H ₂ O	110	98
Static Burn. Time, min.	6.9	7.2
Length, mm	83.7	83.5
Circumference, mm	24.9	24.8
<u>Paper</u>		
Component Type	Citrate	Citrate
Component Percent	0.5	0.6
Permeability, CORESTA Units	42	45
Fiber Type	Woodpulp	Woodpulp
<u>Filter</u>		
Type	CA	CA
RTD, mm of H ₂ O	63	54
Length, mm	20.5	20.7
Weight, g	0.12	0.12
Tipping Paper Length, mm/Color	26/Cork	26/Cork
Ventilation, %	None	None
Triacetin, %	6.8	7.4
<u>Filler</u>		
Total Alkaloids, % (DWB)	1.78	1.90
Total Red. Sugars, % (DWB)	7.4	6.5
Reconstituted Tob., %	15	21
Expanded Stems, %	9	4
Expanded Tob., %	7	None
Wt. of Tob., g (12.5% OV)	0.722	0.707
Rod Length, mm	63.2	62.8
Rod Density, g/cc	0.232	0.230
Glycerin, %	2.1	2.4
PG, %	0.9	0.9

BROWN & WILLIAMSON

GPC Lights King Size (Box)

The level of reconstituted tobacco in GPC Lights King Size (Box) was decreased, expanded stem was increased and expanded tobacco was added to the blend. Higher total and filter RTD were also observed. The type of ventilation changed from mechanical to laser perforation.

	<u>Current</u>	<u>Previous</u>
<u>Smoke</u>		
Butt Length, mm	35	35
Tar, mg/cigt.	10.5	10.9
Nicotine, mg/cigt.	0.71	0.76
Puffs/cigt.	7.1	7.0
<u>Cigarette</u>		
Total RTD, mm of H ₂ O	120	106
Static Burn. Time, min.	8.0	7.4
Length, mm	83.4	83.7
Circumference, mm	24.7	24.8
<u>Paper</u>		
Component Type	Citrate	Citrate
Component Percent	0.5	0.6
Permeability, CORESTA Units	53	42
Fiber Type	Woodpulp	Woodpulp
<u>Filter</u>		
Type	CA	CA
RTD, mm of H ₂ O	95	82
Length, mm	26.9	26.6
Weight, g	0.16	0.15
Tipping Paper Length, mm/Color	32/Cork	32/Cork
Ventilation, %	18	17
Type/Rows of Holes	Laser/1	Mechanical/2
Triacetin, %	7.8	7.1
<u>Filler</u>		
Total Alkaloids, % (DWB)	1.91	1.81
Total Red. Sugars, % (DWB)	7.6	6.2
Reconstituted Tob., %	15	21
Expanded Stems, %	9	4
Expanded Tob., %	7	None
Wt. of Tob., g (12.5% OV)	0.669	0.649
Rod Length, mm	56.6	57.1
Rod Density, g/cc	0.242	0.232
Glycerin, %	2.1	2.4
PG, %	0.7	0.9

BROWN & WILLIAMSON

GPC Lights King Size (SP)

The level of reconstituted tobacco in GPC Lights King Size (SP) was decreased, expanded stem was increased and expanded tobacco was added to the blend. Lower tobacco weight and rod density and higher total and filter RTD were also observed.

	<u>Current</u>	<u>Previous</u>
<u>Smoke</u>		
Butt Length, mm	35	35
Tar, mg/cigt.	10.6	11.0
Nicotine, mg/cigt.	0.69	0.79
Puffs/cigt.	7.5	7.1
<u>Cigarette</u>		
Total RTD, mm of H ₂ O	121	106
Static Burn. Time, min.	8.0	6.9
Length, mm	84.1	83.6
Circumference, mm	24.8	24.9
<u>Paper</u>		
Component Type	Citrate	Citrate
Component Percent	0.5	0.7
Permeability, CORESTA Units	48	52
Fiber Type	Woodpulp	Woodpulp
<u>Filter</u>		
Type	CA	CA
RTD, mm of H ₂ O	101	84
Length, mm	26.6	26.8
Weight, g	0.16	0.17
Tipping Paper Length, mm/Color	32/Cork	32/Cork
Ventilation, %	20	17
Type/Rows of Holes	Hauni Laser/1	Hauni Laser/1
Triacetin, %	7.3	7.1
<u>Filler</u>		
Total Alkaloids, % (DWB)	1.81	1.77
Total Red. Sugars, % (DWB)	6.3	6.5
Reconstituted Tob., %	15	21
Expanded Stems, %	9	4
Expanded Tob., %	7	None
Wt. of Tob., g (12.5% OV)	0.652	0.694
Rod Length, mm	57.5	56.8
Rod Density, g/cc	0.232	0.248
Glycerin, %	2.2	2.1
PG, %	0.8	0.8

BROWN & WILLIAMSON

GPC Ultra Lights King Size (SP)

The level of reconstituted tobacco in GPC Ultra Lights King Size was decreased, expanded stem was increased and expanded tobacco was added to the blend.

	<u>Current</u>	<u>Previous</u>
<u>Smoke</u>		
Butt Length, mm	35	35
Tar, mg/cigt.	6.4	6.4
Nicotine, mg/cigt.	0.46	0.50
Puffs/cigt.	7.4	7.8
<u>Cigarette</u>		
Total RTD, mm of H ₂ O	107	109
Static Burn. Time, min.	7.0	7.1
Length, mm	83.8	83.5
Circumference, mm	24.8	24.8
<u>Paper</u>		
Component Type	Citrate	Citrate
Component Percent	0.5	0.5
Permeability, CORESTA Units	51	36
Fiber Type	Woodpulp	Woodpulp
<u>Filter</u>		
Type	CA	CA
RTD, mm of H ₂ O	118	111
Length, mm	26.6	26.6
Weight, g	0.17	0.16
Tipping Paper Length, mm/Color	32/White	32/White
Ventilation, %	46	40
Type/Rows of Holes	Mechanical/3	Mechanical/3
Triacetin, %	7.4	8.4
<u>Filler</u>		
Total Alkaloids, % (DWB)	1.71	1.70
Total Red. Sugars, % (DWB)	6.4	6.3
Reconstituted Tob., %	15	21
Expanded Stems, %	9	4
Expanded Tob., %	7	None
Wt. of Tob., g (12.5% OV)	0.642	0.649
Rod Length, mm	57.2	56.9
Rod Density, g/cc	0.229	0.233
Glycerin, %	2.2	2.2
PG, %	0.8	0.8

BROWN & WILLIAMSON

GPC Full Flavor 100 (SP)

The level of reconstituted tobacco in GPC Full Flavor 100 was decreased, expanded stem was increased and expanded tobacco was added to the blend.

	<u>Current</u>	<u>Previous</u>
<u>Smoke</u>		
Butt Length, mm	39	39
Tar, mg/cigt.	15.0	15.4
Nicotine, mg/cigt.	0.94	0.95
Puffs/cigt.	8.3	8.1
<u>Cigarette</u>		
Total RTD, mm of H ₂ O	124	119
Static Burn. Time, min.	7.1	6.7
Length, mm	99.1	98.4
Circumference, mm	24.7	24.8
<u>Paper</u>		
Component Type	Citrate	Citrate
Component Percent	0.6	0.5
Permeability, CORESTA Units	45	40
Fiber Type	Woodpulp	Woodpulp
<u>Filter</u>		
Type	CA	CA
RTD, mm of H ₂ O	77	71
Length, mm	29.6	29.2
Weight, g	0.17	0.16
Tipping Paper Length, mm/Color	36/Cork	36/Cork
Ventilation, %	None	None
Triacetin, %	7.8	8.2
<u>Filler</u>		
Total Alkaloids, % (DWB)	1.82	1.69
Total Red. Sugars, % (DWB)	7.7	7.4
Reconstituted Tob., %	15	21
Expanded Stems, %	9	4
Expanded Tob., %	7	None
Wt. of Tob., g (12.5% OV)	0.775	0.780
Rod Length, mm	69.5	69.2
Rod Density, g/cc	0.230	0.230
Glycerin, %	2.1	2.3
PG, %	0.8	0.8

BROWN & WILLIAMSON

GPC Full Flavor Menthol 100 (SP)

An increase in the level of expanded tobacco was observed for GPC Full Flavor Menthol 100 cigarettes. Lower total alkaloids and higher total reducing sugars were also observed.

	<u>Current</u>	<u>Previous</u>
<u>Smoke</u>		
Butt Length, mm	39	39
Tar, mg/cigt.	12.9	14.0
Nicotine, mg/cigt.	0.87	0.95
Puffs/cigt.	7.8	7.7
<u>Cigarette</u>		
Total RTD, mm of H ₂ O	138	128
Static Burn. Time, min.	6.6	6.8
Length, mm	98.9	99.0
Circumference, mm	24.8	24.8
<u>Paper</u>		
Component Type	Citrate	Citrate
Component Percent	0.5	0.5
Permeability, CORESTA Units	25	22
Fiber Type	Woodpulp	Woodpulp
<u>Filter</u>		
Type	CA	CA
RTD, mm of H ₂ O	78	71
Length, mm	29.8	29.8
Weight, g	0.16	0.16
Tipping Paper Length, mm/Color	36/White	36/White
Ventilation, %	None	None
Triacetin, %	7.6	6.3
<u>Filler</u>		
Total Alkaloids, % (DWB)	1.82	1.98
Total Red. Sugars, % (DWB)	7.3	5.0
Reconstituted Tob., %	11	13
Expanded Stems, %	12	9
Expanded Tob., %	21	14
Wt. of Tob., g (12.5% OV)	0.732	0.739
Rod Length, mm	69.1	69.2
Rod Density, g/cc	0.216	0.218
Glycerin, %	1.9	1.5
PG, %	0.8	0.6
<u>Menthol</u>		
Smoke, mg/cigt.	0.39	0.42

BROWN & WILLIAMSON

GPC Lights 100 (SP)

The level of reconstituted tobacco in GPC Lights 100 was decreased, expanded stem was increased and expanded tobacco was added to the blend. Higher total and filter RTD were also observed. The ventilation type changed from mechanical to hauni laser perforation.

	<u>Current</u>	<u>Previous</u>
<u>Smoke</u>		
Butt Length, mm	39	39
Tar, mg/cigt.	11.6	11.9
Nicotine, mg/cigt.	0.78	0.84
Puffs/cigt.	9.1	8.7
<u>Cigarette</u>		
Total RTD, mm of H ₂ O	126	112
Static Burn. Time, min.	6.8	6.9
Length, mm	98.7	99.1
Circumference, mm	24.9	24.9
<u>Paper</u>		
Component Type	Citrate	Citrate
Component Percent	0.7	0.5
Permeability, CORESTA Units	48	46
Fiber Type	Woodpulp	Woodpulp
<u>Filter</u>		
Type	CA	CA
RTD, mm of H ₂ O	105	87
Length, mm	29.5	29.7
Weight, g	0.16	0.17
Tipping Paper Length, mm/Color	36/Cork	36/Cork
Ventilation, %	19	19
Type/Rows of Holes	Hauni Laser/1	Mechanical/1
Triacetin, %	7.2	7.4
<u>Filler</u>		
Total Alkaloids, % (DWB)	1.83	1.78
Total Red. Sugars, % (DWB)	7.4	7.1
Reconstituted Tob., %	15	21
Expanded Stems, %	9	4
Expanded Tob., %	7	None
Wt. of Tob., g (12.5% OV)	0.794	0.780
Rod Length, mm	69.2	69.4
Rod Density, g/cc	0.232	0.228
Glycerin, %	2.2	2.2
PG, %	0.8	0.9

BROWN & WILLIAMSON

GPC Lights Menthol 100 (SP)

An increase in the level of expanded tobacco was observed for GPC Lights Menthol 100 cigarettes. Lower total alkaloids and higher total reducing sugars were also observed. The type of filter ventilation changed from mechanical to hauni laser.

	<u>Current</u>	<u>Previous</u>
<u>Smoke</u>		
Butt Length, mm	39	39
Tar, mg/cigt.	8.8	8.9
Nicotine, mg/cigt.	0.67	0.72
Puffs/cigt.	8.7	8.2
<u>Cigarette</u>		
Total RTD, mm of H ₂ O	109	96
Static Burn. Time, min.	6.2	6.8
Length, mm	99.1	98.8
Circumference, mm	24.9	24.8
<u>Paper</u>		
Component Type/Percent	Citrate/0.6	Citrate/0.4
Permeability, CORESTA Units	52	42
Fiber Type	Woodpulp	Woodpulp
<u>Filter</u>		
Type	CA	CA
RTD, mm of H ₂ O	88	79
Length, mm	29.9	29.7
Weight, g	0.17	0.17
Tipping Paper Length, mm/Color	36/White	36/White
Ventilation, %	36	34
Type/Rows of Holes	Hauni Laser/1	Mechanical/2
Triacetin, %	7.8	7.4
<u>Filler</u>		
Total Alkaloids, % (DWB)	1.82	2.03
Total Red. Sugars, % (DWB)	7.3	5.6
Reconstituted Tob., %	11	13
Expanded Stems, %	12	9
Expanded Tob., %	21	14
Wt. of Tob., g (12.5% OV)	0.748	0.724
Rod Length, mm	69.2	69.1
Rod Density, g/cc	0.220	0.214
Glycerin, %	1.9	1.8
PG, %	0.9	0.7
<u>Menthol</u>		
Smoke, mg/cigt.	0.40	0.46

BROWN & WILLIAMSON

GPC Ultra Lights 100 (SP)

The level of reconstituted tobacco in GPC Ultra Lights 100 was decreased, expanded stem was increased and expanded tobacco was added to the blend.

	<u>Current</u>	<u>Previous</u>
<u>Smoke</u>		
Butt Length, mm	39	39
Tar, mg/cigt.	6.3	5.4
Nicotine, mg/cigt.	0.49	0.47
Puffs/cigt.	10.3	9.4
<u>Cigarette</u>		
Total RTD, mm of H ₂ O	102	97
Static Burn. Time, min.	7.1	6.9
Length, mm	99.1	99.0
Circumference, mm	24.9	24.9
<u>Paper</u>		
Component Type	Citrate	Citrate
Component Percent	0.5	0.5
Permeability, CORESTA Units	44	46
Fiber Type	Woodpulp	Woodpulp
<u>Filter</u>		
Type	CA	CA
RTD, mm of H ₂ O	121	112
Length, mm	30.4	29.8
Weight, g	0.18	0.18
Tipping Paper Length, mm/Color	36/White	36/White
Ventilation, %	56	56
Type/Rows of Holes	Hauni Laser/1	Hauni Laser/1
Triacetin, %	7.6	6.6
<u>Filler</u>		
Total Alkaloids, % (DWB)	1.83	1.74
Total Red. Sugars, % (DWB)	7.6	7.4
Reconstituted Tob., %	15	21
Expanded Stems, %	9	4
Expanded Tob., %	7	None
Wt. of Tob., g (12.5% OV)	0.797	0.781
Rod Length, mm	68.7	69.2
Rod Density, g/cc	0.235	0.229
Glycerin, %	2.2	2.4
PG, %	0.9	0.9